

Cambrian

St John basin-
New Brunswick.

July 199.

H.B. rec.

Leaven Cambrian. =
Etcheminian section of
Matthew. Hanford Brook
above McAfee's saw
mill. St John. C. N.B.
June 8/98

Basal Congl. just
above on eruptive
rock shans in the S.
bank of the stream.

1) Rather coarse Congl.
Cobbles up to 6" diameter -
white yel - jasper reddish &
greenish calmed. At 120
ft. the purple tint of
the matrix disappears &
a white bed of gritty
congl. appears.

128.

Concealed by drift

51.

150. 14.

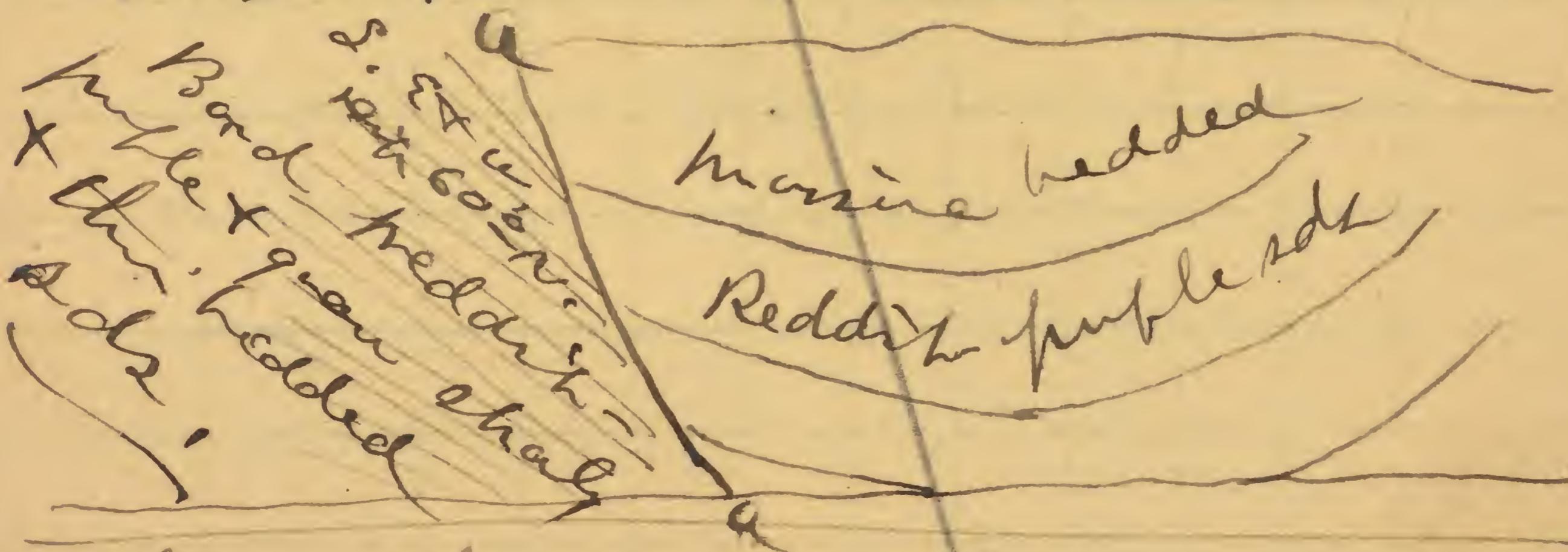
H.B. Rec

3

2. Blk reddish-purple
& greyish-purple fine
grained sandstone
with fine flakes of
mica - Layer 1 in to
2 feet thick -

Strike N. 60° E. dip
 40° N.W. At 50
feet up the dip is 30°
at 80 feet, 20° + at
N. 50° E. a little

further down the bank
the strike swings to
E. N.W. dip N. a
syncline is formed
with a fault on the
west.



Of 2. there is about 170
feet to fault, a.s.

$$48 \quad \begin{array}{r} 240 \\ 32 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 70 \\ 23 \\ \hline 47 \end{array} \quad \begin{array}{r} 350 \\ 47 \\ \hline 397 \end{array}$$

St. N. 400 W.
Dir. 30°

H. B. Rec. 3

The fault brings up the
(Todd) conglomerate
on the south side of
the bank just west
of some greenish reds
shales. No 2- is
started again from the
top bed of the Congl.

(2). ~~Flaggy~~ grey & greenish-grey-
micaeous sds.
with thick beds of
sd.

Start at base N. ~~55° E~~ East
slope, 25° N. W.
The greenish bed-calcane soon
gives way to the reddish-
purple to greyish-purple
fine grained micaeous
sds. - At 120 feet
up water trails $\frac{1}{2}$ "
broad on surface of
thick bedded sds. At
272 feet layer of
small white & grey pebbles

$$\begin{array}{r} 1560 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 350 \\ \times 5 \\ \hline \end{array}$$

1560 + 350 = 1910

H. B. Recs. 4
appear in the dark limestone.
The outcrops of are almost
continuous either in the
stream bed or on the banks.
Slope increases from 25° to 30°
& gradually up to 40° . Strike
swings around to N. 65° E.

395

3. Reddish-purple
cangl - white grits.
reddish - greenish. &
dark pebbles. Some
2 to 6 mm.
diameter. Same
type of cangl as at
the base ~~except~~
~~smaller~~ ~~pebbles~~. 30.-

4. Reddish & greenish
sdy & angular shales &
rods with a few
thin, interbedded cal-
careous layers.

Carrying hyalites like
H. - ~~common~~. Calciferous -

62.
310
40

120

H.B. Rec. 5 Iphidea labradorica
at a brachiopod, also
~~casts~~ of a stenopora from
like ~~it~~ ~~con~~ ~~Calcareous~~.
The shales became more
overgrown & soon pass
into massive bedded
dark purple shales & sds.
at 135 feet at the
strike has swing to
N. 70° E.
at 350 feet up the
str. is N. 60° E. Dip 20°
N. or
gap. covered. at 350
20° dip = 136 - of 136
rock. 1040.

Basal $\frac{4}{5}$ of str
John Henne.
Sh. N. 50° E. dip
30° N.W.

H.B. Rec.

6
North.

1

1

Road.

W.

Brother

S. N. 80.00
each 30c

Keith 60^o in

St. West. 15° N.
St. SW.

Reip
356

Keith
70⁰

80° N.

SPR.N. 90° E.
D. 35° or

"P. 350 n. w.

— 33 — N. W.

Section on hair.

N - 600, N

~~Santos~~
~~1873~~

The unconformity shown
by G. F. Mathew between
the basal St John quartzite
& the subjacent Etchelonian
is based on a twist &
fault within the St John
quartzite. The two forma-
tions are conformable
where in contact near
the head of Leely Street
St John, and as far as
can be determined,
owing to the covered space
of -250 feet, conformable
East Hanford Brook.

The St John basal
quartzite is the base of
the Middle Cambrian.
The strata beneath
being referred to the
Lower Cambrian - The
name Etchelonian is
the a synonym for

H.B. Sec.

8

Lower Cambrian. For
the formation on Harford
Brook representing the
Lower Cambrian the
name Harford might
be used. For the
Lower Cambrian of
Newfoundland the
name Mawell from
Mawells river where
the fauna was first
recognized & described.
The best section is on
Smith Sound Trinity
Bay.

H.B. sec.

9

Middle Cambrian (Paradoxes)

3rd St John quartzite.
White-quartzite in
massive layers
passing above it
greenish-tinted low
rock. About 30 feet
exposed in one place.

2nd D. Dark green - to grayish-
green fine grained, com-
pact, hard sandstone.
Fossils - Numerous 18'
small trilobites -
Fauna B. 1. of Matthew.
E

Protolenses

2nd L. Fine grained, dark-
grey arenaceous
argillite in thick
layers 10-20" thick

30.
34
18
16.

H.B. Rec.

10.

that break up an exposure
into irregular shaly layers.

Dip 25° N. St. E & W. 16.

Fossils. Fauna B. 2. of
Matthew.

About midway of this
subdivision a layer
containing small phosphate
nodules occurs. The
nodules occur in the
lower 3 inches of a 14" ⁱⁿ
layer.

5.
8 1/2 Massive bed of fine
grained ~~sands~~ grey sandstone with
a 4" ⁴ foot thick with
phosphate nodules near
the bottom carrying
numerous fossils. Some
shaly beds layers &
then another layer
of sandstone 8" thick

30.

H.B. sec 11.

with numerous small
phosphatic nodules with
fossils.

Fauna B. 3. of Maeterlin. 10.

2^a d. Grey sandstone & shale
to base of Paradoxides
fauna.

Fauna B. 485. of 34.
Maeterlin.

5 Strata E + W. N. lat 45° N.

3 Paradoxides beds
a. Calcareous argillaceous
layers carrying Parado-
adoxides lamellatus?

Stenotheca -

Orthisina - etc, 3.

1^a b. Greenish shales with
many fossils -

1^a c. Greenish shales
carrying abundant

H.B. Sec.

Remains of Paradoxides
etc -

12

30 +

Concealed above this
horizon -

St John terrace = Middle Cam-
bran

$$\checkmark = 30 - 30$$

$$\checkmark 2a = 18.$$

$$\checkmark 2b = 16$$

$$\checkmark 2c = 10$$

$$\checkmark 2d = 34 - 78.$$

$$\checkmark 3a = 3$$

$$\checkmark 3b = 30 = \frac{33}{141 -}$$

Henry Ford



Cantharidae
John W.

Leetan ^{North} off
head of Reely street
along side of the a
Park road.



The fine Cambrian surface is
irregular - a dark-reddish
sandstone & conglomerate
rests on it -

8th N. 40° Edith - 70° S. E.

a)

Reddish congl & ad.,
Qtz, red & greenish hard
shale - pebbles & small
shale concretions. ✓ 12
but exposed.

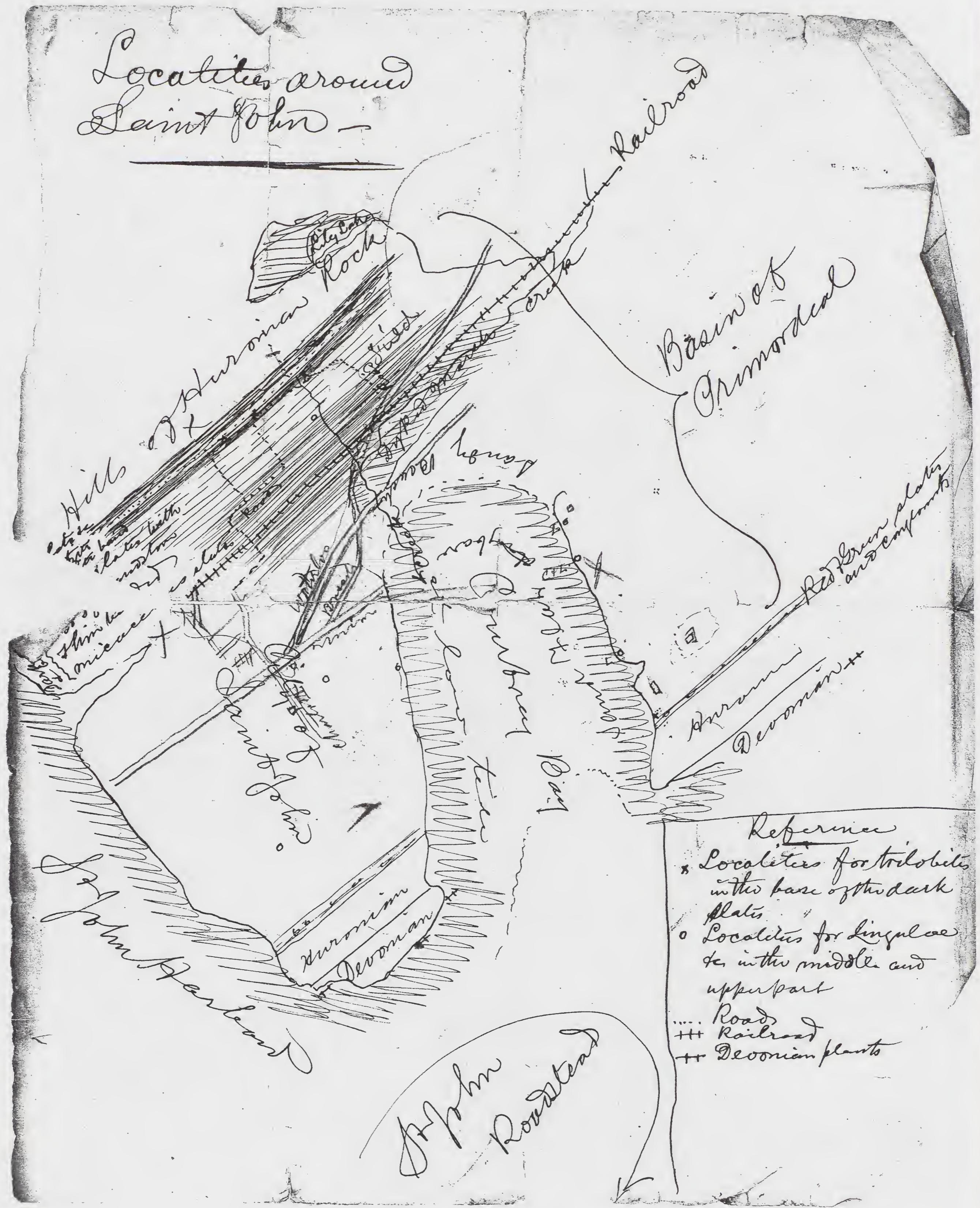
St. J -

~~b. Concealed but from debris
in soil apparently red &
greenish red shales 90. @ 70.~~

~~c. Reddish-purple & greenish
arenaceous-mucaceous shales
& sandstone in thin
layers. 55 @ 70.~~

~~d. Light gray fine
grained quartzitic
sandstone becoming
coarser above. Near
a layer of white & grey
pebble conglomerate
near the top - 40 to 65 ft.
Shallow N. 55° E,
Dip 70° S.E.~~

Localities around
Saint John -



Reference

- Localities for trilobites in the base of the dark slate
- Localities for Lingulae &c in the middle and upper part
- Roads
- Railroad
- ++ Devonian plants

No. 25.

F. R. I. T.

Report No.

116

PORT OF

St. John Del Rio

Imported by *John T. Clegg* per *Central*

Master, from *London*

187

Entry No. 1448

Marks
and
Numbers.
Number
of
Packages.

DESCRIPTION OF GOODS.

QUANTITY.

VALUE.
Dollars Cents.

Old Ironsides

35.00